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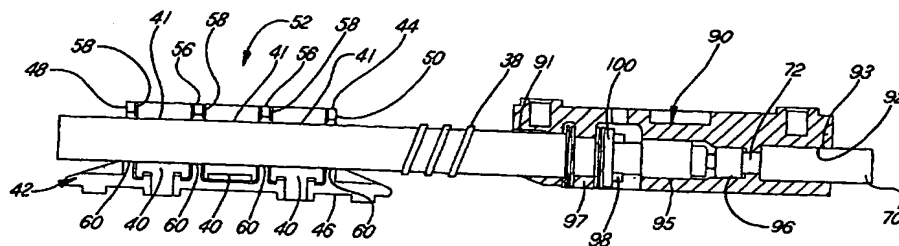
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(54) Title: POWER SEAT TRACK HAVING A FLEXIBLE SUPPORT ASSEMBLY FOR A LEAD SCREW



(57) Abstract: A powered track assembly (20) is provided for allowing selective forward and rearward adjustment of a seat assembly (10) along an interior floor of an automotive vehicle. The upper track (24) is fixedly secured to a bottom portion of the seat assembly (10). A rigid shaft (32) having a generally continuous helical thread (38) is fixedly secured to the upper track (24). A plurality of nuts (40) is threadingly engaged with the shaft (32). A cage (42) having a plurality of compartments (58) is fixedly secured to the lower track (22). Each compartment (58) supports one nut (40) to allow relative rotational movement of the rigid shaft (32) relative to the nuts (40). The nuts (40) are allowed a predetermined amount of movement within the respective compartments (58) to prevent binding between the nuts (40) and the rigid shaft (32) due to relative lateral or vertical movement between the upper and lower tracks.

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